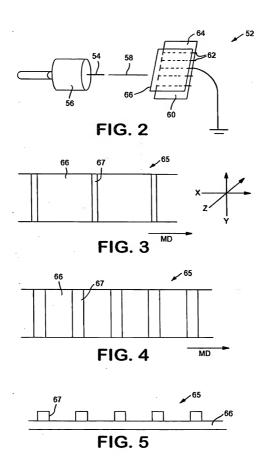


FIG. 1



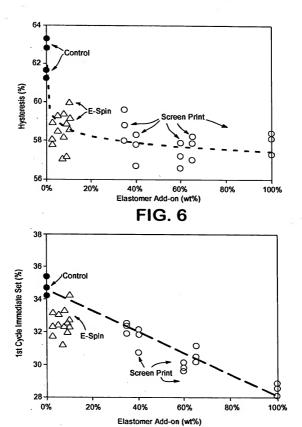
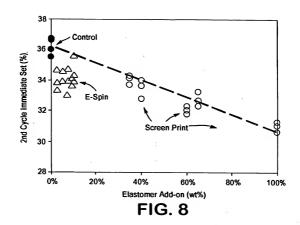
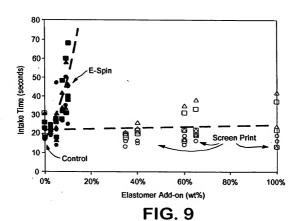


FIG. 7





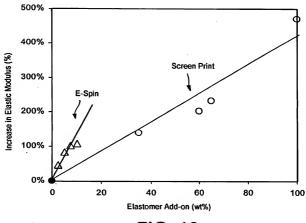


FIG. 10

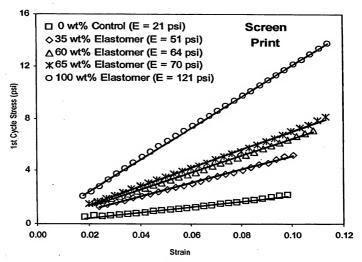


FIG. 11

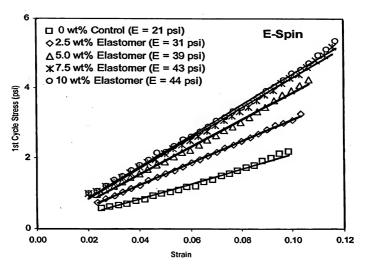


FIG. 12

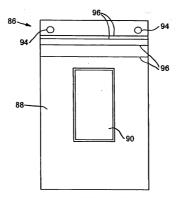


FIG. 13

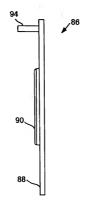


FIG. 14

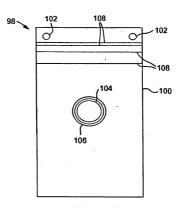


FIG. 15

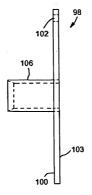
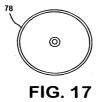


FIG. 16



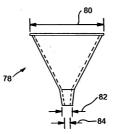


FIG. 18

of 50%	210.974	212.451	210.054	218.703	000	22,332	228.89	220.98	100.000	187817	211.628	214.511		210.6	220.908	212.73		233.821	226.97	234.636		215.08	22.192	213,999	
Immed Set	36.7	35.538	36.025	36.599	1	7 4 .2/	¥.	33.689	17.00	97.CG	32.668	32.298		32.775	33.98	33.639		31.069	31.26	30.633		32,303	32.053	31.805	
Immed Set	35.387	34.199	34.692	35.341		32,512	32.37	31.867	1	2.5	30.488	30.132		30.714	32.119	31.793		28.52	28.817	28.065		30.133	29.761	29.602	1
X Hyster oss Cyc 2	63.3	61.6	61.2	62.8	1	88.8	888	æ		38.2	57.9	22		56.7	57.8	58.3		58.4	57.3	58.1		57.2	57.9	26.6	
)TEA (Ret) Cyc 2 I kg~mm	0.032	0.042	9.0	0.034		9.0	0.051	0.059		ğ	90:0	0.068		0.064	0.055	0.05		0.064	0.07	0.07		0.063	0.065	7200	
取るです 第2条	980'0	0.11	0.103	0.091		0.112	0.125	0.14		0.128	0.142	0.158		0.147	0.13	0.119		0.155	0.164	0.168		0.146	0.154	0.177	
බුදු ම දිදුණ පු දිදුණ	655	759	852	673		28	808	888		2	845	941		668	S33	750		875	922	906		830	687	1052	
Dad @ 30	-22	-21	27	-23		우	-10	f		-1	ņ	7		۴	9	ę		+	2	9		-5	-5	7	
05 SQ 40 SQ 25 SQ 25 SQ 25 SQ 36 SQ	797	888	862	789		848	93	1051		916	88	1092		5	226	873		1016	1071	1062		1031	1052	1219	
Lood @ 30 Up Cyc 2	n	55	75	×		2	28	88		32	116	123		107	4	8		- 8	8	88	İ	15	8	140	
X Hyster	8.8	83.6	818	83.2		81.1	81.2	81.3		83	80.5	79.6		79.3	855	608		812	808	8		\$0.4	7.08	80.4	
E (Ret)	1300	0 042	140	0.035		0.049	0.055	90.0		0.059	0.063	0.072		0.069	0.057	0.052		690.0	0.072	0.073		0.065	0.068	0.078	ŀ
(EE)	0 104	0.554	766.0	0.208		0.26	0.292	0.323		0.279	0.323	0.353		0.332	0.293	0.272		0,366	0.373	0.385		0.329	0.352	0.398	
00 PP P	678	787	763	697		092	28	939		832	88	987		15	878	200		930	283	976		926	920	1094	
නිද මේදි පි-		4	2 5	- 89		7	7	0		3		6		ur.	١	0		9	=	22			=	2	
De So	į	3 8	25	198		933	500	35		1008	1068	1198		1178	1080	35		1143	1100	2		1133	25	5 <u>5</u> 5	
000 d 000 d 000 d	311	3 5	200	16		8	923	8		516	818	629		620	5	25		687	802	Ē		619	929	258	
A Sate	2	800	800	8 8		35.0%	15.0%	35.03		£5.0%	F. O.	F5 0%		W 04	2007	80.00		1000	100	100		20.03	200	80.08	Ī
g s	ŀ	-	1	, 4	Ī	-	,	+-		-	•	+	+	-	-	+-	ŀ	ŀ	•	т	İ	ŀ	,	+	۲
77	7	lo	ηuc	0	L	L	ď	ı	L	L	ď	52	Ī	Ţ	ď	32	L	L	ď	*	L	L	ď	S	Ĺ

Table 1

					_																
Load Loss at 50%		218.854	216.312	207.838		226.497	211.206	210.292		205.988	217.485	207.293		214.699	204.361	211.468		219.88	214.45		
Immed Set		35.629	34.328	33.914		57.13	34.616	33.969		33.898	33.57	34.722		33.964	33.019	34.768		33.648	34.158	-	
Immed Set		34,324	32.762	32,315		35.958	33.075	32.447		32.348	31.77	33.194		32.363	31.253	33.349		31,396	32.586	-	
X Hyster Loss Cyc 2		59.2	09	58.6		29	59.3	58.5		57.8	58.1	58.3		58.2	57.1	59.4		58.9	57.2		
TEA (Ret) Cyc 2 kg/mm		0.037	0.053	0.059		0.025	0.042	0.048		0.058	0.055	0.046		0.053	0.062	0.043		0.049	950.0	-	
正 (E式) OC 2 M/mm		60.0	0.132	0.143		990'0	0.102	0.116		0.138	0.132	0.112		0.126	0.144	0.107		0.118	0.131		
Lood @ 50 Dm Cyc 2 of 9		667	844	919		514	089	82/		879	827	761		814	882	712		744	852	-	
Load @ 30 Dn Cyc 2 gr		Ŧ	-16	-13		-14	-10	6-		-12	٩	-12		۴	٩	-12		89	6	-	
Load 👴 50 Մր Հշ 2		782	392	1068		611	797	828		1025	971	988		326	1027	836		873	1004	-	
Load @ 30 Up Cyc 2		\$	98	06		22	23	2/2		88	98	5		76	ē	150		23	02	-	
X Hyster Loss Cyc 1		78.5	9728	81.3		79.2	1.08	808		81.4	90.6	79.7		80.7	8	8		80.9	78.9		
TEA (Ret) Cyc 1 Kg/mm		0.039	0.052	90.0		0.027	0.044	0.05		0.059	0.056	0.05		0.055	0.062	0.043		0.051	0.059	-	
(大) (大) (大) (大) (大) (大) (大) (大) (大) (大)		0.183	0.301	0.319		0.129	0.22	0.262		0.317	0.29	0.248		0.285	0.311	0.239		0.27	0.278	-	
30 Load @ 50 1 Dn Cyc 1		694	88	926		83	202	792		920	867	787		946	919	742		Ш	880	-	
®\$5 85		<i>t</i> -	۳	۴		우	۴	7		7	0	٩		7	2	-7		7	4	-	
Load @ 50 Up Cyc 1		924	107	1161		999	861	33		1107	1057	960		1037	113	203		954	1084	-	
Load @ 30 Up Cyc 1		762	25	614		162	386	498		611	543	447		S	8	\$		215	493	-	
Kraton add-on wtX		10.0%	10.0%	10.0%		5.0%	5.0%	5.0%		2.5%	2.5%	2.5%		7.5%	7.5%	7.5%		80%	30.6	30.6	
Se di	L	-	~	m	L	-	~	-	L	Ŀ	~	m	L	-	~	-	L	Ŀ	~	r	L
	П	1	S39	9	1	ı	53	L	ı	ı	S3 (3	١	1	S3(3	ı	1	S30	ı '	П

Table 2

Mechanical Properties of Screen Printed Materials

Improve vs Control	N/A	140%		200%	230%	470%
Modulus of Elesticity psi	21	51	1	25	70	121
% Reduction vs Control %	N/A	%9	7%	11%	% 6	14%
Inmed Set % Cyc 2 %	36%	34%	33%	32%	33%	31%
% Reduction vs Control %	N/A	10%	11%	16%	14%	20%
Immed Set % Cyc 1	35%	32%	32%	30%	31%	28%
% Reduction vs Control %	N/A	5%	3%	3%	4%	2%
% Hyster Loss Cyc1 %	83%	81%	%08	81%	%08	81%
Ezstomer Add-on wif&	%0	35%	40%	%09	65%	100%
	loutnoo	qet skyms2	Sample 3sp	dsg apd weg	dsz ajdwes	qs4 siqms2

Table 3

Mechanical Properties of E-Spin Materials

% Improve vs Control %	NIA	40%		80%	100%		100%
Modulus of Elesticity psi	21	31		39	43	1	4
% Reduction vs Control %	N/A	%9		2%	%9	%9	4%
Immed Set % Cyc 2 %	36%	34%		35%	34%	34%	35%
% Reduction vs Control %	N/A	8%		4%	%6	10%	%9
	35%	32%		34%	32%	32%	33%
% Reduction vs Control Immed Set % Cyc.1 %	N/A	3%		3%	2%	4%	2%
% Hyster Loss Oyc 1	₩ ₩	81%		%08	81%	80%	81%
Eastomer Add-on wife	%0	2.5%		%9	7.5%	%6	10%
	Control	\$88 9K	ms2	say alqmad	sae alqma2	saOt algmas	sad alqmis2

Table 4